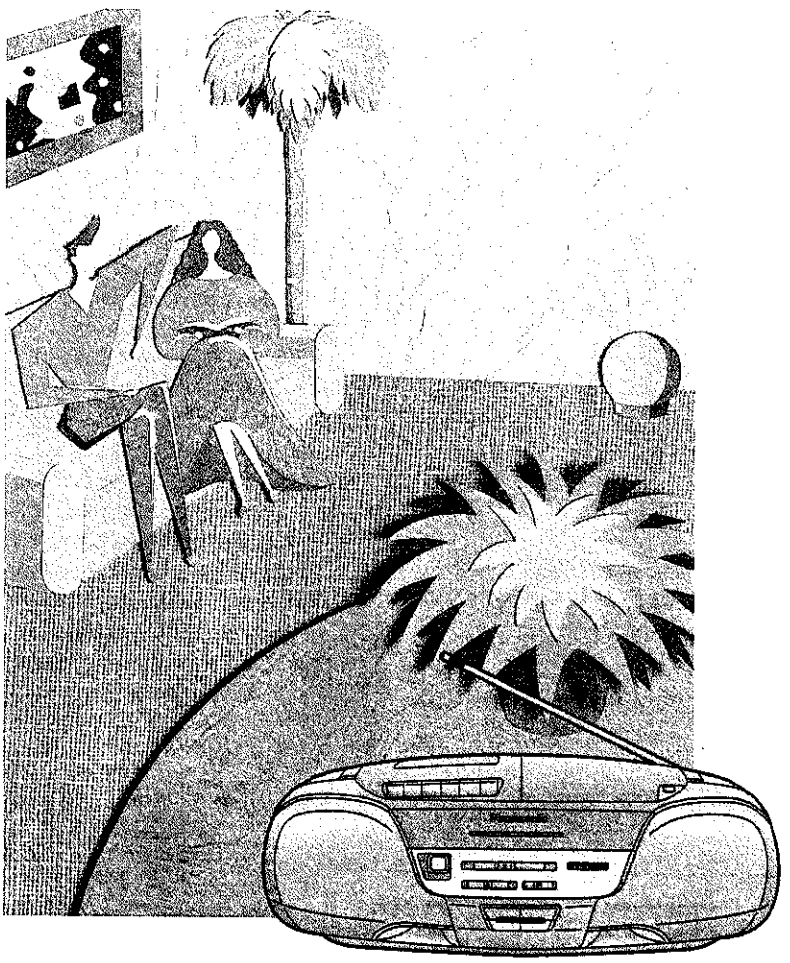
Panasonic®

Portable Stereo CD System

RX-DS11

Operating Instructions



Note:
The "EB" indication shown on the packing case indicates United Kingdom.

Before connecting, operating or adjusting this product, please read these instructions completely. Please save this manual.

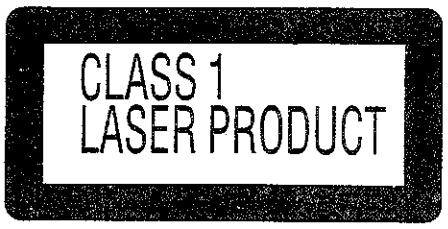
COMPACT disc DIGITAL AUDIO

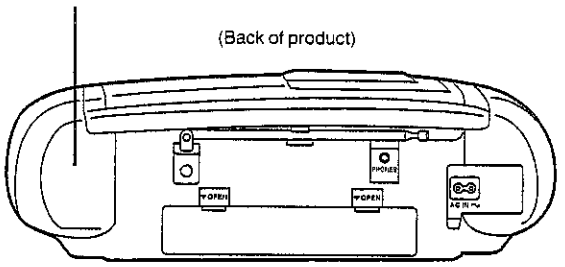
EB GN

RQT3646-B

Dear customer

Thank you for purchasing this product.
For optimum performance and safety, please read these instructions carefully.





DANGER	INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. AVOID DIRECT EXPOSURE TO BEAM.	(Inside of product)
ADVARSEL	USYNLIG LASERSTRÅLING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSÆTTELSE FOR STRÅLING.	(Indersiden at apparatet)
VARO!	AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTÖNTÄ LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.	(Tuotteen sisällä)
VARNING	OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRAKTA EJ STRÅLEN.	(Apparatens insida)
ADVARSEL	USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTTES. UNNGÅ EKSPONERING FOR STRÅLEN.	(Produktets innside)
VORSICHT	UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET UND SICHERHEITSVERRIEGELUNG ÜBERBRÜCKT. NICHT DEM STRAHL AUSSETZEN.	(Im Inneren des Gerätes)

CAUTION!
THIS PRODUCT UTILIZES A LASER.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

CAUTION!
DO NOT INSTALL OR PLACE THIS UNIT IN A BOOKCASE, BUILT IN CABINET OR IN ANOTHER CONFINED SPACE IN ORDER TO KEEP WELL VENTILATED CONDITION. ENSURE THAT CURTAINS AND ANY OTHER MATERIALS DO NOT OBSTRUCT THE VENTILATION CONDITION TO PREVENT RISK OF ELECTRIC SHOCK OR FIRE HAZARD DUE TO OVERHEATING.

WARNING:
TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THIS APPLIANCE TO RAIN, SPLASHING, DRIPPING OR MOISTURE.

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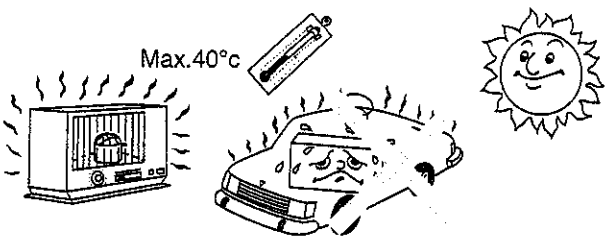
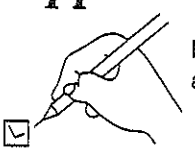
Precautions

- **If this unit is not used for a long period of time or is used only from an AC power source, remove all the batteries to prevent potential damage due to possible battery leakage.**
- Avoid using or placing this unit near sources of heat. Do not leave it in an automobile exposed to direct sunlight for a long time with the doors and windows closed as this may deform the cabinet.
- Avoid cuts, scratches, or poor connections in the AC power cord, as they may result in possible fire or electric shock hazard. Also, excessive bending, pulling or splicing of the cord should be avoided.
- Do not unplug the AC power cord by pulling on the cord. To do so may cause premature failure or shock hazard.
- Do not operate this unit on AC power in a bathroom, as a potential shock hazard may result.
- When not in use, disconnect the AC power cord from the household AC outlet.
- The Function Selector switch does not separate entire unit from mains even if in "TAPE/OFF" position.



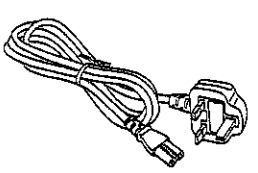
Supplied Accessory



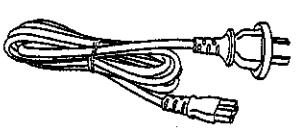
Please check and identify the supplied accessories.

■ AC power cable ..... 1 pc

(For United Kingdom)
VJA0733



(For Australia and New Zealand)
RJA0035-A



Use numbers indicated in parentheses when asking for replacement parts.

Caution for AC Mains Lead

(For United Kingdom)

("EB" area code model only)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.
Check for the ASTA mark ⓐ or the BSI mark ♆ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local dealer.

CAUTION!
IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:
Blue: Neutral, Brown: Live.
As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.
The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL ⏚ OR COLOURED GREEN OR GREEN/YELLOW.

THIS PLUG IS NOT WATERPROOF—KEEP DRY.

Before use

Remove the connector cover.

How to replace the fuse

The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.
Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.

Figure A

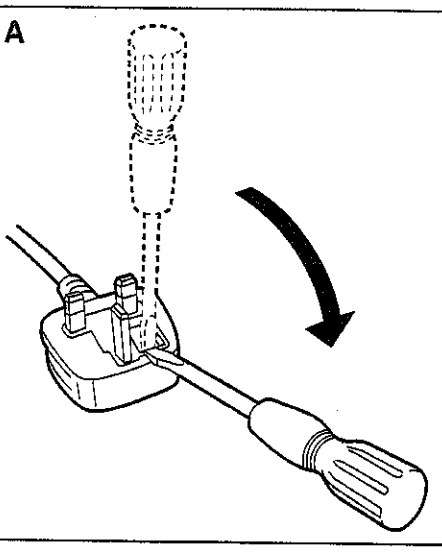
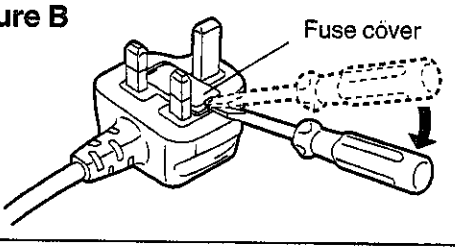


Figure B



2. Replace the fuse and close or attach the fuse cover.

Figure A

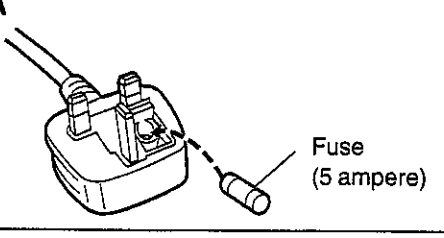
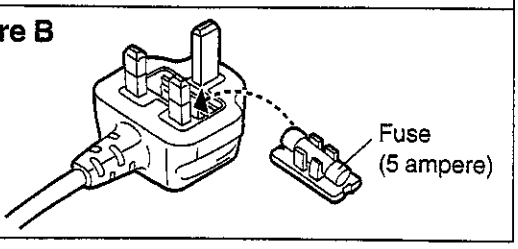
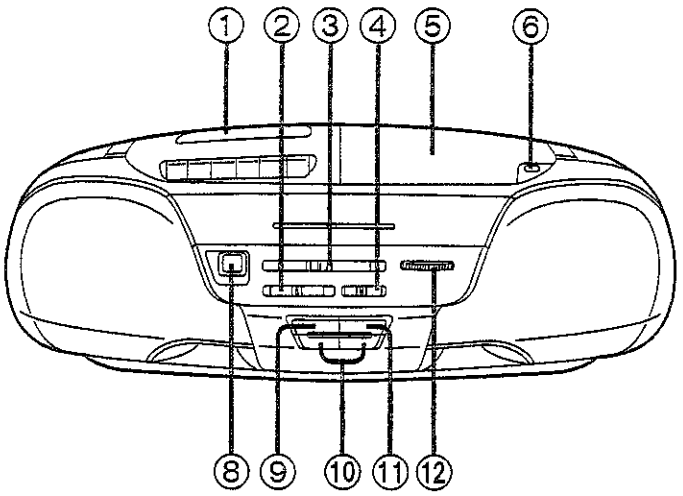
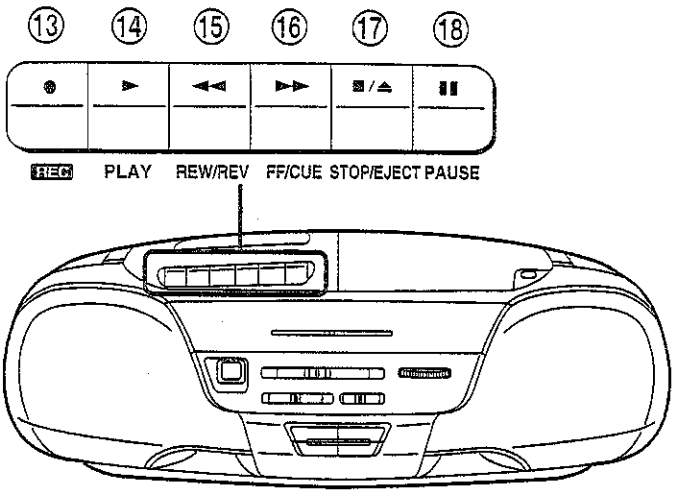


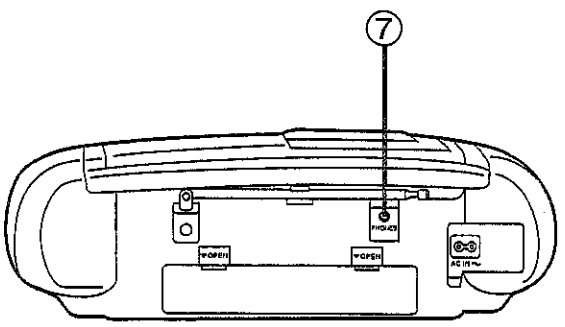
Figure B



Location of Controls







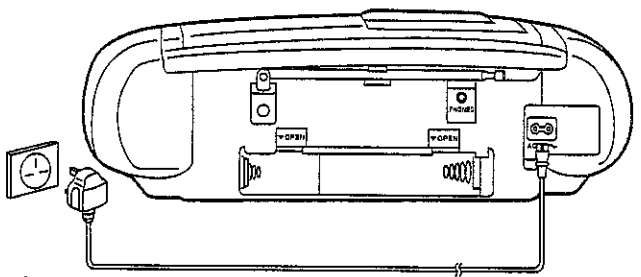
No.	Name	Ref. page
	Basic controls	
①	Cassette lid	*7*
②	Function selector/operation switch (SELECTOR)	*6–9*
③	Volume control (VOLUME)	*5*
④	XBS switch (XBS)	*5*
⑤	Disc lid	*6*
⑥	Disc lid open button (▲ CD)	*6*
⑦	Headphones jack (PHONES)	*5*
	CD controls	
⑧	Display panel	*6*
⑨	Stop button (■ CD)	*6*
⑩	Skip/search buttons (⏮, ⏭)	*6*
⑪	Play/pause button (CD ▶/❚❚)	*6*

No.	Name	Ref. page
	Tuner controls	
⑫	Tuning dial (TUNING)	*8*
	Cassette deck controls	
⑬	Recording button (● REC)	*8, 9*
⑭	Playback button (▶ PLAY)	*7*
⑮	Rewind/review button (◀◀ REW/REV)	*7*
⑯	Fast forward/cue button (▶▶ FF/CUE)	*7*
⑰	Stop/eject button (■/▲ STOP/EJECT)	*7–9*
⑱	Pause button (❚❚ PAUSE)	*7*

Power Sources

Using household AC power

FOR UNITED KINGDOM ONLY
BE SURE TO READ THE CAUTION FOR THE AC MAINS LEAD ON PAGE 3 BEFORE THE FOLLOWING CONNECTION.

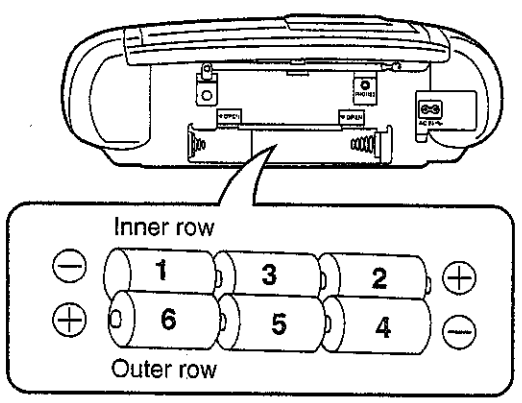


AC 230–240 V, 50 Hz AC power cable

If the unit is not going to be used for a prolonged period of time when a household AC outlet is used to power it, disconnect the power cable to conserve power.

Using batteries (not included)

Disconnect the power cable from the AC IN~ socket on the rear panel, and insert six R20/LR20 (D, UM-1, not included) batteries in the order numbered below.



■ How to remove the batteries

Insert your finger into the opening on the bottom of the unit, and push the batteries out.

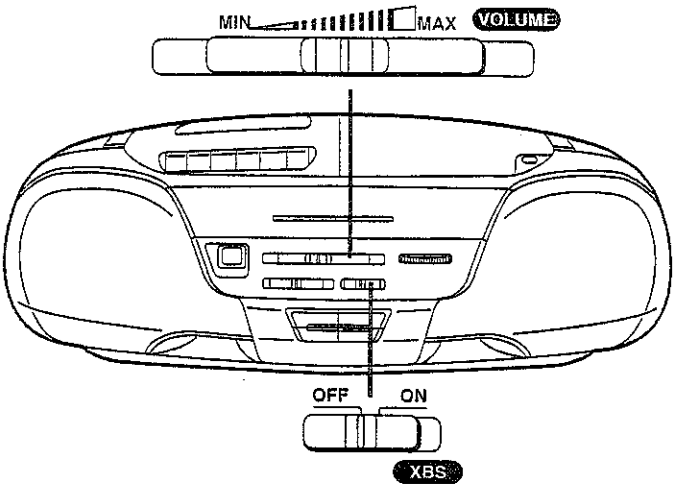
■ When to replace the batteries

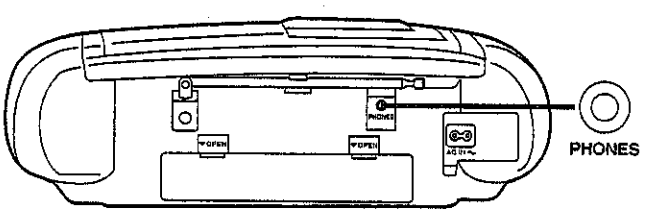
Replace all the batteries if the sound is distorted or the unit fails to operate properly. When the batteries start to wear out, it may not be possible to play CDs properly even when there is nothing wrong with the radio and tape operations.

■ Use of batteries

- Do not use rechargeable type batteries.
- Do not mix new batteries with old batteries.
- Do not mix different types of batteries (manganese with alkaline, etc.).
- Install the batteries with their (+) and (–) ends aligned properly.
- Do not recharge the batteries.
- Remove the batteries if the unit is not going to be used for a long period of time.
- Remove them if the unit is always going to be powered from a household AC outlet.
- Do not throw batteries into a fire or short-circuit, disassemble or apply heat to them.

Common Operations



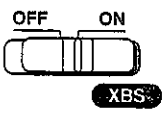


Adjusting the volume

Slide VOLUME to adjust the volume to the desired level.

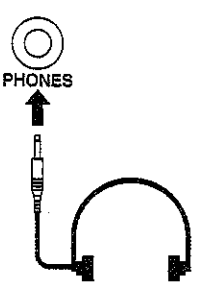
Slide it to "MAX" to turn up the volume. Slide it to "MIN" to turn down the volume.

Adjusting the deep bass (XBS)



To increase the deep bass, set XBS to "ON".

Listening through headphones (not included)

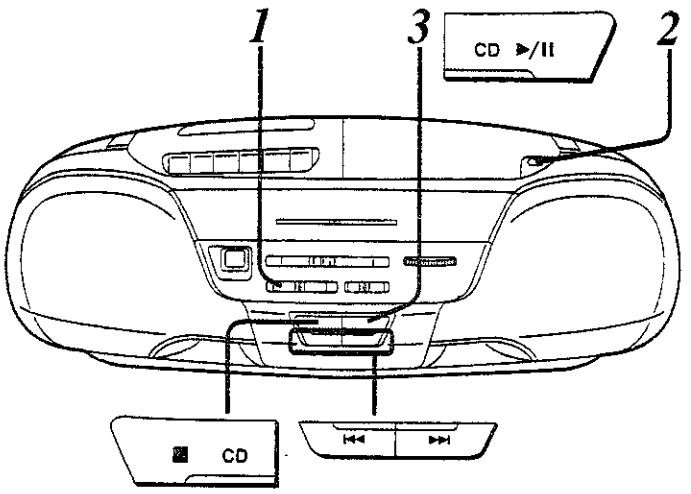


Turn down the volume and connect the headphones to the PHONES jack.

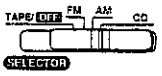
Adjust the volume to the desired level.

- Plug type: 3.5 mm stereo
- Avoid listening for prolonged periods of time to prevent hearing damage.

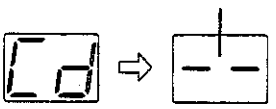
Listening to CDs



1 Set SELECTOR to "CD".



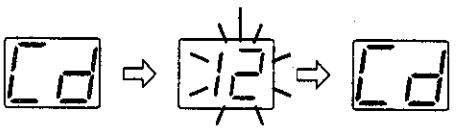
Indicates that no disc is loaded.



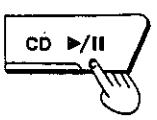
2 Press ▲ CD, insert the CD and close the lid.

Insert the CD with its label side facing up.

Total number of tracks flashes.

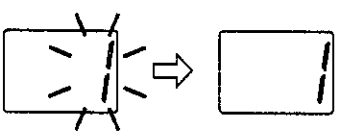


3 Press ▶/II to start play.



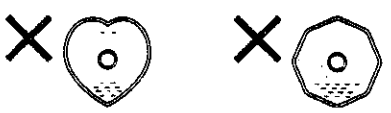
Play starts from track 1 and continues to the last track, after which it automatically stops.

After the track number now displayed flashes on and off rapidly, it will stop flashing and light up when play is commenced.

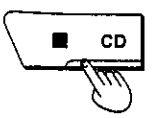


Notes

- Interference may affect radio or TV reception when CDs are played close to a radio or TV set. If this occurs, place the unit as far away from the set as possible.
- Do not press ▲ CD during play. CD may be scratched.
- Do not use irregular shape CDs (heart-shape, octagonal, etc.).

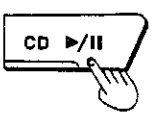


To stop play:



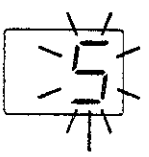
Press ■.

To stop play temporarily:



Press ▶/II.

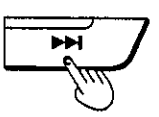
To resume play:
Press ▶/II.



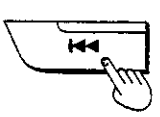
The track number display flashes on and off slowly.

Turning the power off:
Set SELECTOR to "TAPE/ OFF".

Skipping to the beginning of a track



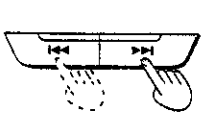
Press ▶▶| to skip to the start of the next track.
You can skip as many tracks as the number of times you press the button.



Press |◀◀ to skip to the start of the present track.
If you press the button again quickly, you can skip to the beginning of the previous track.

- In the stop mode, to play from the indicated track, press ▶/II.

Rapid forwarding and reversing (search)

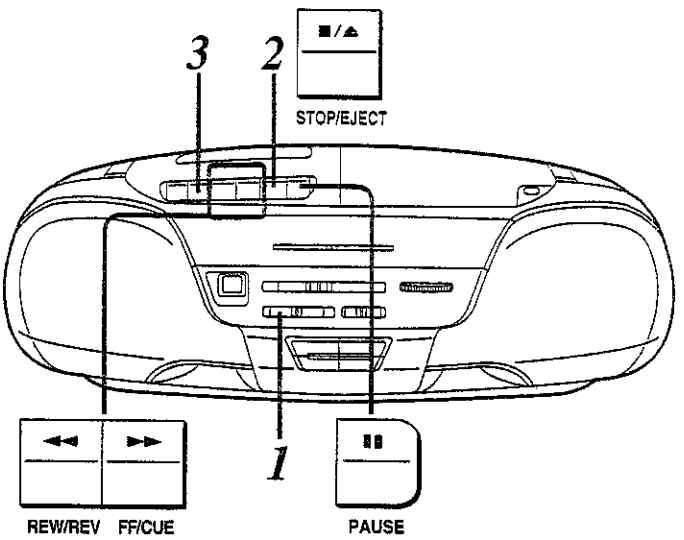


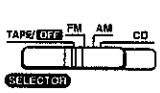
In the play or pause mode, keep pressing ▶▶| or |◀◀.
Release the button at the desired position.

(Backward) (Forward)

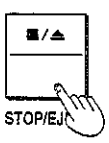
Listening to Tapes

Only normal tapes can be used.



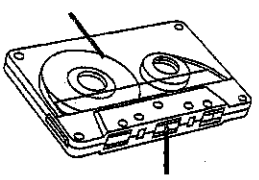
1 

Set SELECTOR to "TAPE/ OFF ".

2 

Press ■/▲ STOP/EJECT, load the tape and close the cassette lid.

With the side to be played facing up



Tape facing you

3

Press ► PLAY to start play.

To stop play:

Press ■/▲ STOP/EJECT.
It turns the power off.

To stop play temporarily:

Press II PAUSE.
To resume play:
Press II PAUSE again.

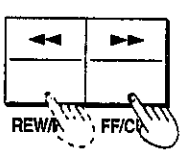
Type of tape which can be played on this unit:

Normal position/TYPE I	○
High position/TYPE II	×
Metal position/TYPE IV	×

This unit will not be able to do full justice to characteristics of high position tapes and metal position tapes even if they are played back.

Full auto-stop:
During playback, recording, fast forward or rewind when the tape reaches its end, the automatic stop system will release the operation buttons.

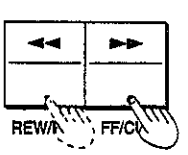
To rewind or fast forward the tape



In the stop mode, press ►► FF/ CUE or ◄◄ REW/REV.

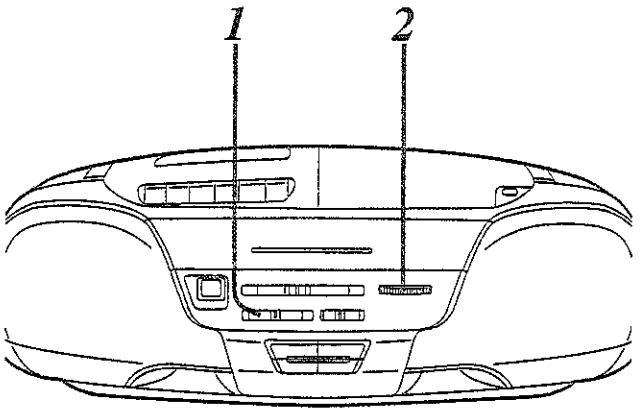
Note
Do not press ► PLAY during rewinding or fast forwarding, as this may jam the tape. Be sure to press ■/▲ STOP/ EJECT before proceeding to the next operation.

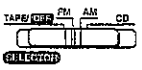
To search for a particular spot on a tape



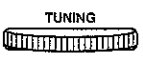
During playback, press ►► FF/ CUE or ◄◄ REW/REV.
Tape play is resumed when the button is released.

Listening to the Radio



1 

Set SELECTOR to "FM" or "AM".

2 

Tune in to the desired station using TUNING.

◡: To increase the frequency
◡: To lower the frequency

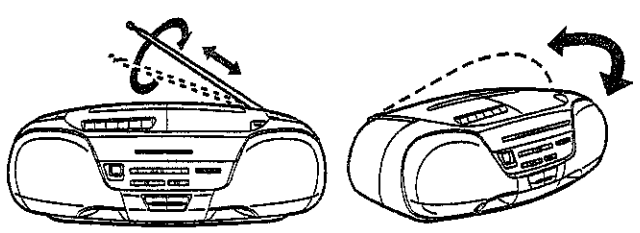
Turning the power off:
Set SELECTOR to "TAPE/ OFF ".

Adjusting the antennas

For FM reception:
Pull out the telescopic antenna and adjust its length and angle for optimum reception.

For AM reception:
The sensitive ferrite core antenna inside the set will provide excellent AM reception in most areas. For optimum reception, turn the set in the direction which gives the best results since the ferrite core antenna is directional.

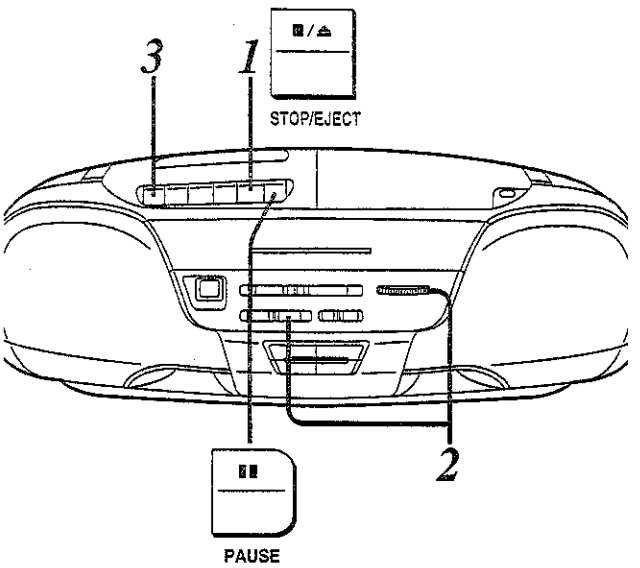
FM **AM**



For your reference:
Radio broadcasts may be hard to receive in a moving vehicle or a building because their signals are weak. Whenever possible, use the unit by a window.

Recording Radio Programs

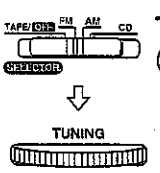
Only normal tapes can be used.



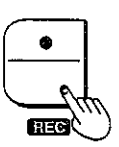
1

Press ■/▲ STOP/EJECT and load the tape.

- Load the tape with the side to be recorded facing up.
- Either have the leader tape wound up in advance or locate the position where recording is to begin.

2 

Tune in the broadcast station.
(See to the left.)

3 

Press ● REC.
▶ PLAY is also pressed with ● REC.

To stop the recording:

Press ■/▲ STOP/EJECT.

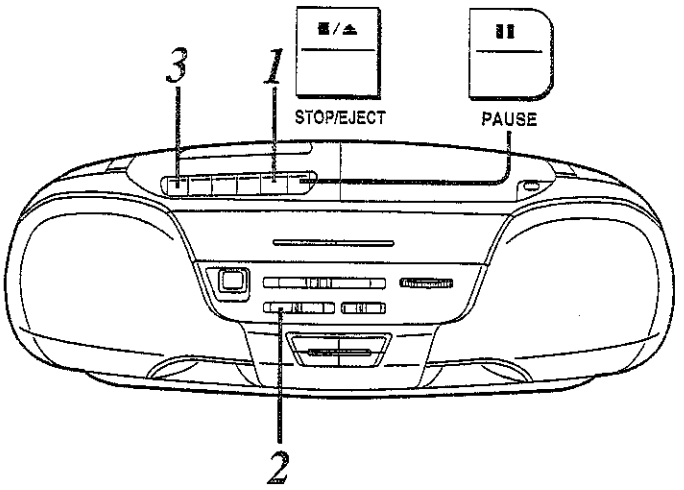
To stop the recording temporarily:
Press II PAUSE.
To resume recording, press II PAUSE again.

For your reference:

- Any changes made to the volume or XBS during recording will not affect the recording.
- In order to prevent trouble caused by flat batteries, it is recommended that you either supply power to the unit from the household AC outlet or replace all the batteries with new ones when you are recording something which is important to you.

Recording Compact Discs

Only normal tapes can be used with this unit for recording.

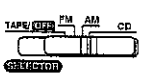


Preparation: Insert the CD.

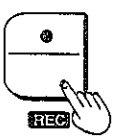
1

Press ■/⏏ STOP/EJECT and load the tape.

- Load the tape with the side to be recorded facing up.
- Either have the leader tape wound up in advance or locate the position where recording is to begin.

2 

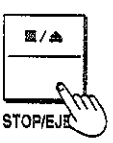
Set SELECTOR to "CD".

3 

Press ● REC to start recording on the tape.

▶ PLAY is also pressed with ● REC.
CD play starts simultaneously.
Recording stops at the end of the tape.
If the tape comes to the end while a track is still being recorded, the track will be only partially recorded.
To continue recording on the other side of the tape, remove the tape, turn it around, install it again, and start recording once more.

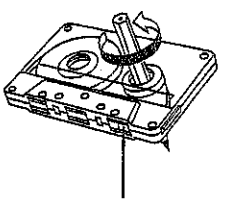
To stop the recording:



Press ■/⏏ STOP/EJECT.
(CD does not stop.)

To stop the recording temporarily:
Press ❚❚ PAUSE.
(CD does not stop.)
To resume recording, press ❚❚ PAUSE again.

To take up the leader tape:



Leader tape (recording cannot be made)

Type of tape which can be used for recording:

Normal position/TYPE I	○
High position/TYPE II	×
Metal position/TYPE IV	×

The sound may not be recorded properly if high position tapes and metal tapes are used with this unit.

Recording your favorite tracks:
After step 2, press ⏮ or ⏭ and display the track number before pressing ● REC to start recording.
When the recording is completed, press ■/⏏ STOP/EJECT to stop the tape.

For your reference:

- Any changes made to the volume or XBS during recording will not affect the recording.
- In order to prevent trouble caused by flat batteries, it is recommended that you either supply power to the unit from the household AC outlet or replace all the batteries with new ones when you are recording something which is important to you.

Your attention is drawn to the fact that recording pre-recorded tapes or discs or other published or broadcast material may infringe copyright laws.

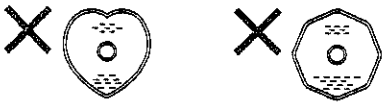
Troubleshooting Guide

Before requesting service for this unit, check the chart below for a possible cause of the problem you are experiencing. Some simple checks or a minor adjustment on your part may eliminate the problem and restore proper operation.
If you are in doubt about some of the check points, or if the remedies indicated in the chart do not solve the problem, refer to the directory of Authorized Service Centers (enclosed with this unit) to locate a convenient service center, or consult your dealer for instructions.

Problem	Probable cause(s)	Suggested Remedy	Page
Common problems			
No operation when unit is powered by dry batteries.	Is the AC power cable still connected to the unit while batteries are being used?	Disconnect the AC power cable.	5
	Are the batteries flat?	Replace them with new ones. Alternatively, use a household AC outlet as the power source.	5
	Have the batteries been installed incorrectly with their (+) and (−) polarities reversed?	Align the (+) and (−) polarities correctly.	5
While listening to CDs			
Play does not start. No display of track numbers, etc.	Has the CD been installed upside down?	Install the CD with the label side facing up.	6
	Has there been a sudden change in temperature? For instance, was the unit brought straight from a cold place into a warm location?	Condensation may have formed on the lens unit. Leave it for about an hour before attempting operation again.	
Certain sections are not played properly.	Is the CD dirty?	Wipe it with a soft cloth.	11
	Is the CD scratched?	Replace it with a new CD.	
While listening to tapes			
Cassette is not ejected.	Are the batteries flat?	Replace them with new ones or, alternatively, use a household AC outlet as the power source and then press ■/▲ STOP/EJECT after pressing ▶ PLAY.	
No recording.	Have the tape's accidental erasure prevention tabs been broken out?	Cover the holes with adhesive tape.	11
High level of noise; poor sound quality.	Are the heads dirty?	Clean them.	12
While listening to the radio			
High level of noise; stations cannot be tuned in well.	Has the antenna been adjusted properly?	Try changing its direction.	8
Noise heard during AM reception.	Are you using a remote controller near the unit?	Use the remote controller at a distance.	
	Are you operating the unit and a TV set at the same time?	Place the unit at a distance from the TV. Alternatively, turn off the TV's power.	

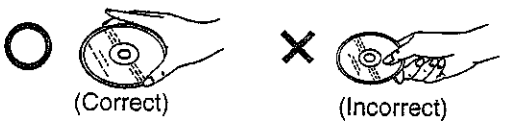
Concerning Compact Discs

Only compact discs having this mark can be used with this unit.
However, continued use of irregular shape CDs (heart-shape, octagonal, etc.) can damage the unit.



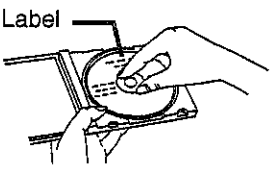
■ To hold the disc

Hold the disc by the edges so the surface is not soiled with fingerprints. Fingerprints, dirt and scratches can cause skipping and distortion.



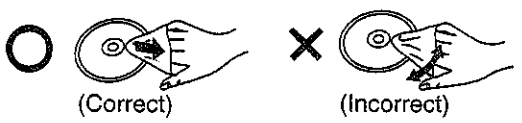
■ To store a disc in its case

Insert the disc with label facing upwards and press downward at the center.



■ If the surface is soiled

Wipe gently with a soft, damp (water only) cloth.



■ If the disc is brought from a cold to a warm environment, moisture may form on the disc

Wipe off with a soft, dry, lint-free cloth before using the disc.

Improper disc storage:

You can damage discs if you store them in the following places;

- Areas exposed to direct sunlight
- Humid or dusty areas
- Areas directly exposed to a heat outlet or heating appliance

Handling precautions:

- Do not write on the disc with a ball-point pen or other writing utensils.
- Do not use record cleaning sprays, benzine, thinner or alcohol to clean the disc.
- Do not attach stickers or pieces of paper. (When stickers have been adhered, the glue or other substances may have oozed out. Since this may cause malfunctioning, remove all stickers and paper before use.)

Concerning Cassette Tapes

■ Selection of cassette tapes

Cassette tapes exceeding 100 minutes:

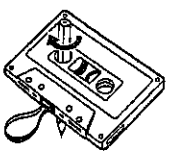
These tapes are handy for their long playback and recording time but be careful about repeatedly stopping and starting, rewinding and fast forwarding these tapes in short intervals as they are thin, tend to stretch and may become entangled in the deck mechanism.

Endless tapes:

Failure to operate these tapes correctly may cause the tape to wind around the revolving parts.

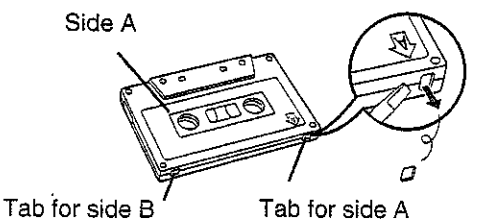
■ If the tape loosens, take up the slack

Tape slack may cause the tape to break.

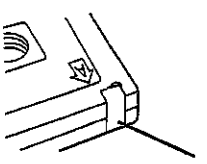


■ To prevent erasure of recorded sounds

Remove the erase-prevention tabs with a screwdriver or a similar object.



To re-record on a protected cassette, cover the slot with adhesive tape.



Improper tape storage:

You can damage tapes if you store them in the following places;

- In high temperature [35°C (95°F) or higher] or high humidity (80% or higher) areas
- In a strong magnetic field (near a speaker, on top of a TV, etc.)
  This can erase a recording.
- Areas exposed to direct sunlight

To erase all the sound on a tape:

1. Load the tape with the side whose recording is to be erased facing up.
2. Set SELECTOR to TAPE/OFF.
3. Press ● REC.

Maintenance

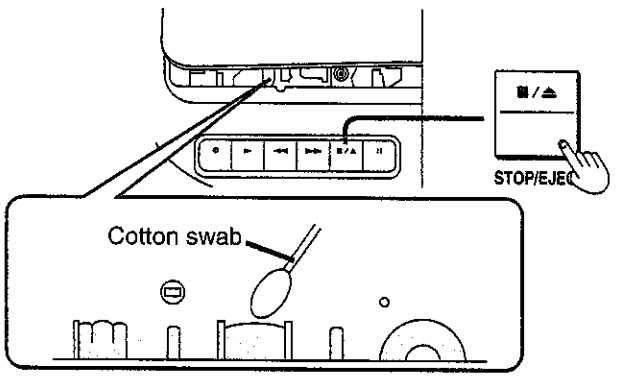
■ Maintenance of external surfaces

Clean it with a cloth, dampened in a mild solution of soap and water.
Do not clean the cabinet with benzine or thinner.
Avoid excessive moisture.
Avoid spray aerosol type cleaner. Some cleaners contain corrosive chemicals that may cause internal damage and cabinet deformation.

■ Tape head care

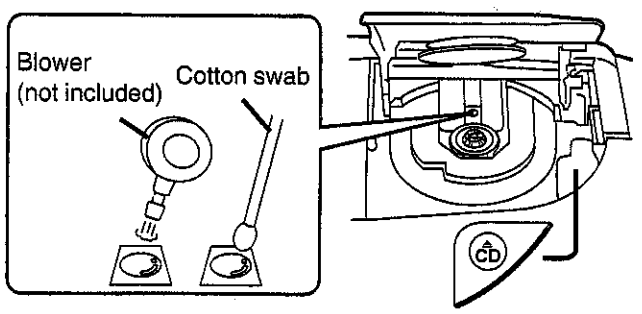
To assure sound quality for recording and playback, be sure to clean the tape heads after approximately every 10 hours of use.

1. Open the cassette lid by pressing ■/⏏ STOP/EJECT.
2. Clean the tape heads, pinch rollers and the capstan shafts with a cotton swab (or a soft, lint-free cloth) slightly moistened with isopropyl alcohol.
   Do not use any solution other than alcohol for head cleaning.



■ Lens care

Open the disc holder and clean the lens with a blower (not included). If the lens is extremely dirty, clean it with a cotton swab.
Recommended product: Lens cleaner kit (SZZP1038C)



Technical Specifications

■ Radio

Frequency range	
FM	87.5–108 MHz
AM	520–1610 kHz

■ CD player

Sampling frequency	44.1 kHz
Decoding	16 bit linear
Beam source	Semiconductor laser (wavelength 780 nm)
No. of channels	2 channel, stereo
Wow and flutter	Below measurable limit
D/A converter	MASH (1 bit DAC)

■ Tape recorder

Track system	4 track, 2 channel, stereo
Recording system	AC bias
Erasing system	Multi pole magnet
Monitor system	Variable sound monitor
Frequency range (Normal)	30–12000 Hz

■ General

Speakers	10 cm 4Ω×2
Output jack	Headphones; 4.2 mW, 32Ω
Power requirement	
AC	230–240 V, 50 Hz, Power consumption; 20 W
Battery	9 V [Six R20/LR20 (D, UM-1) batteries] ●Do not use rechargeable type batteries.
Dimensions (W×H×D)	470×158×254 mm
Weight	2.9 kg without batteries

Note:
Specifications are subject to change without notice.
Weight and dimensions are approximate.

MASH is a trademark of NTT.

Matsushita Electric Industrial Co., Ltd.
Central P.O. Box 288, Osaka 530-91, Japan

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F1096D1037 (D)